

A Method For Writing Contiguous Arrays of Stripes in a RAID Storage System

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Abstract

The invention features a method for controlling storage of data in a plurality of storage devices each including storage blocks, for example, in a RAID array. The method includes
10 receiving a plurality of write requests associated with data, and buffering the write requests. A file system defines a group of storage blocks, responsive to disk topology information. The group includes a plurality of storage blocks in each of the plurality of storage devices. Each data block of the data to be
15 written is associated with a respective one of the storage blocks, for transmitting the association to the plurality of storage devices.

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